

What is claimed is:

1. Blade for a surgical device, namely a device for processing the cornea of a human or animal eye, comprising a blade body, a front and a rear edge, and two lateral edges connecting the front and rear edges of the blade , the front edge serving for processing the cornea,
5 characterized in that

an end of the front edge of the blade is formed bluntly, such that it is not suitable for severing the cornea.

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2. Blade according to claim 1, wherein said blade body has front and back sides, wherein the front edge of said blade is formed of at least one inclination and a bluntly formed end, and the inclination extends from the front side of said blade body to the back side of said blade body.

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3. Blade according to claim 1, wherein said blade body has front and back sides, wherein the front edge of said blade is formed of at least two inclinations and a bluntly formed end, and the inclinations each extend from the front side of said blade body and the back side of said blade body to the end.

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4. Blade according to claim 2, wherein said end of said blade is formed rounded or straightly or partly straight.

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5. Blade according to claim 3, wherein said end of said blade is formed rounded or straightly or partly straight.

6. Blade according to claim 1, wherein said blade body has a fastener for securing the blade in a blade holder of the device for processing the cornea of a human or animal eye.

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7. Blade according to claim 1, wherein said blade consists of metal, a metal alloy, of plastics or ceramics.

8. Blade according to claim 7, wherein said front edge of said blade is coated with a material different from the material of said blade.

9. Blade according to claim 1, wherein said blade is at least partially formed as a regular or non-regular quadrangle.

10 10. Blade according to claim 9, wherein said front edge of said blade is formed straightly or curved.

11. Blade according to claim 1, wherein said blade is formed straightly or bent.

15 12. Surgical device, namely a device for processing the cornea of a human or animal eye, comprising a blade including a blade body, a front and a rear edge, and two lateral edges connecting the front and rear edges of the blade, the front edge serving for processing the cornea, said front edge including an end formed bluntly such that it is not suitable for severing the cornea.

20 13. Surgical device according to claim 12, wherein said blade is detachably attached in a blade holder of the device.

25 14. Surgical device according to claim 12, wherein said blade is integrally formed with a blade holder of the device.

30 15. Surgical device according to claim 12, wherein said device has a suction ring for fitting onto the eye and partially sucking the cornea of the eye, and said blade holder with said blade moves across said suction ring, wherein the blunt end of the front edge of said blade penetrates an epithelial layer of the cornea over the Bowman layer,

such that an approximately round epithelial flap arises and the epithelial flap is completely or only partially severed from the remaining epithelial layer.

16. Surgical device according to claim 13, wherein said device has a suction ring for fitting onto the eye and partially sucking the cornea of the eye, and said blade holder with said blade moves across said suction ring, wherein the blunt end of the front edge of said blade penetrates an epithelial layer of the cornea over the Bowman layer, such that an approximately round epithelial flap arises and the epithelial flap is completely or only partially severed from the remaining epithelial layer.

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17. Surgical device according to claim 12, wherein said blade body has front and back sides, wherein the front edge of said blade is formed of at least one inclination and a bluntly formed end, and the inclination extends from the front side of said blade body to the back side of said blade body.

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18. Surgical device according to claim 12, wherein said blade body has front and back sides, wherein the front edge of said blade is formed of at least two inclinations and a bluntly formed end, and the inclinations each extend from the front side of said blade body and the back side of said blade body to the end.

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19. Surgical device according to claim 17, wherein said end of said blade is formed rounded or straightly or partly straight.

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20. Surgical device according to claim 18, wherein said end of said blade is formed rounded or straightly or partly straight.

21. Surgical device according to claim 12, wherein said blade body has a fastener for securing the blade in a blade holder of the device for processing the cornea of a human or animal eye.

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22. Surgical device according to claim 12, wherein said blade consists of metal, a metal alloy, of plastics or ceramics.

5 23. Surgical device according to claim 22, wherein said front edge of said blade is coated with a material different from the material of said blade.

24. Surgical device according to claim 12, wherein said blade is at least partially formed as a regular or non-regular quadrangle.

10 25. Surgical device according to claim 24, wherein said front edge of said blade is formed straightly or curved.

26. Surgical device according to claim 12, wherein said blade is formed straightly or bent.

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